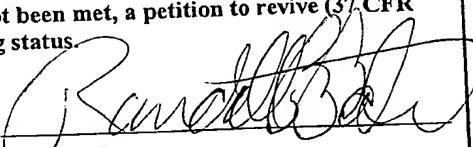


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|---|--|---|
| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FORM PTO-1390 (REV 12-29-99) | | ATTORNEY'S DOCKET NUMBER 1196.GLE.PT |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 09/530334 |
| INTERNATIONAL APPLICATION NO. PCT/EP98/06769 | INTERNATIONAL FILING DATE 24 OCTOBER 1998 | PRIORITY DATE CLAIMED 28 OCTOBER 1997 |
| TITLE OF INVENTION METHOD FOR DIGITAL SIGNING OF A MESSAGE | | |
| APPLICANT(S) FOR DO/EO/US Stefan Rover and Hans-Dieter Groffman | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> | | |
| Items 11. to 16. below concern document(s) or information included: | | |
| <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: <ul style="list-style-type: none"> a. Translation of Amendments to Specification and Claims b. Courtesy copy of the International Search Report c. Courtesy copy of the International Preliminary Examination d. Front page of WO-publication </p> | | |

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| U.S. APPLICATION NO. 09/530334 | INTERNATIONAL APPLICATION NO. PCT/EP98/06769 | ATTORNEYS DOCKET NUMBER 1196.GLE.PT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---------------------------|--------------|--------------|------|--------------|--------|--|-----------|--------------------|-------|--|-----------|--|--|--|------------|------------------------------------|--|--|--------|--|--|--|----|-----------------|--|--|----------|---|--|--|----|---------------------------|--|--|----------|---|--|--|----|----------------------------|--|--|----------|--|--|--|---------------------------|--|--|--|-------------|
| CALCULATIONS PTO USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>17. <input type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$970.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$690.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$670.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$96.00</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 840 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p><input checked="" type="checkbox"/> Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>- 20 =</td> <td></td> <td>X \$18.00</td> </tr> <tr> <td>Independent claims</td> <td>- 3 =</td> <td></td> <td>X \$78.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$260.00</td> </tr> <tr> <td colspan="3">TOTAL OF ABOVE CALCULATIONS</td> <td>\$ 260</td> </tr> <tr> <td colspan="3"><input checked="" type="checkbox"/> Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).</td> <td>\$</td> </tr> <tr> <td colspan="3">SUBTOTAL</td> <td>\$ 1,100</td> </tr> <tr> <td colspan="3"> <p><input checked="" type="checkbox"/> Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p> </td> <td>\$</td> </tr> <tr> <td colspan="3">TOTAL NATIONAL FEE</td> <td>\$ 1,100</td> </tr> <tr> <td colspan="3"> <p><input checked="" type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</p> </td> <td>\$</td> </tr> <tr> <td colspan="3">TOTAL FEES ENCLOSED</td> <td>\$ 1,100</td> </tr> <tr> <td colspan="3"></td> <td>Amount to be refunded: \$</td> </tr> <tr> <td colspan="3"></td> <td>charged: \$</td> </tr> </tbody> </table> | | | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | Total claims | - 20 = | | X \$18.00 | Independent claims | - 3 = | | X \$78.00 | MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$260.00 | TOTAL OF ABOVE CALCULATIONS | | | \$ 260 | <input checked="" type="checkbox"/> Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28). | | | \$ | SUBTOTAL | | | \$ 1,100 | <p><input checked="" type="checkbox"/> Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p> | | | \$ | TOTAL NATIONAL FEE | | | \$ 1,100 | <p><input checked="" type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</p> | | | \$ | TOTAL FEES ENCLOSED | | | \$ 1,100 | | | | Amount to be refunded: \$ | | | | charged: \$ |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total claims | - 20 = | | X \$18.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Independent claims | - 3 = | | X \$78.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$260.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS | | | \$ 260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28). | | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBTOTAL | | | \$ 1,100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p><input checked="" type="checkbox"/> Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p> | | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL NATIONAL FEE | | | \$ 1,100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p><input checked="" type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</p> | | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED | | | \$ 1,100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Amount to be refunded: \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | charged: \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,100 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0881. A duplicate copy of this sheet is enclosed.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SEND ALL CORRESPONDENCE TO: MORRISS, BATEMAN, O'BRYANT & COMPAGNI 5882 South 900 East, Suite 300 Salt Lake City, Utah 84121</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SIGNATURE:  Randall B. Bateman</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>NAME: _____ 37,774</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>REGISTRATION NUMBER: _____</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MORRISS, BATEMAN, O'BRYANT & COMPAGNI
 A Professional Corporation
 Attorneys at Law

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MBOC

09/530334

Patents, Trademarks,
 Copyrights, Trade Secrets
 and Related Litigation

e-mail: mail@mboclaw.com
 website: www.mboclaw.com

April 27, 2000

Assistant Commissioner
 for Patents
 Box PCT
 Washington, D.C. 20231

Re: National Phase U.S. Patent Application for
METHOD FOR DIGITAL SIGNING OF A MESSAGE
 Based on PCT Application No. PCT/EP98/06769, filed 24 October 1998
 Claiming priority to: German Pat. App. No. 19747603.1, filed 28 October 1997
 Applicants: Stefan Röver and Hans-Dieter Groffman
 Citizenship of Applicants: Germany
 Our File No. 1196.GLE.PT

Dear Sir:

Transmitted herewith for filing the above-referenced application are the following:

1. Transmittal Letter to the United States Designated/Elected Office Concerning
 A Filing Under 35 U.S.C. 371;
2. A copy of Form PCT/IB/308 showing that the International Application has
 previously been forwarded to the U.S. Patent and Trademark Office, along with a
 courtesy copy of the application and a translation thereof.
3. An English translation of amendments to the specification and claims.
4. A copy of the International Search Report.
5. A copy of the front page of the WO-publication.
6. A copy of the International Preliminary Examination Report, along with a
 translation thereof.

09/530334

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MBOC

Assistant Commissioner

April 27, 2000

Page 2

7. A Check in the Amount of \$ 1,100.00.
8. A Certificate of Mailing by "Express Mail" certifying a filing date of April 27, 2000 by use of Express Mail No. EL638967982US.
9. A post card for acknowledgment of receipt of the application.

Please direct all future correspondence to:

Randall B. Bateman
MORRISS, BATEMAN, O'BRYANT & COMPAGNI
5882 South 900 East, Suite 3000
Salt Lake City, Utah 84121

Tel. (801) 685-2302
Fax. (801) 685-2303
E-mail: bateman@mboclaw.com

The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Account No. 50-881.

Respectfully submitted,



Randall B. Bateman
Registration No. 37,774

MORRISS, BATEMAN, O'BRYANT & COMPAGNI
5882 South 900 East, Suite 3000
Salt Lake City, Utah 84121

RBB/ws
Enclosures

04/530334

422 Recd PCT/PTO 27 APR 2000

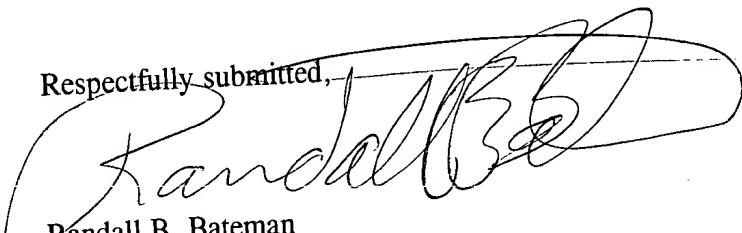
CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

Date of Mailing: 27 April 2000

Express Mail Label No.: EL638967982US

I hereby certify that a new patent application entitled, "METHOD FOR DIGITAL SIGNING OF A MESSAGE," in the name of Stefan Röver and Hans-Dieter Groffman, along with a Transmittal Letter to the United States Designated/Elected Office Concerning A Filing Under 35 U.S.C. 371; a copy of Form PCT/IB/308; an English translation of amendments to the specification and claims; a copy of the International Search Report; a copy of the front page of the WO-publication; a copy of the International Preliminary Examination Report, along with a translation thereof; a check in the amount of \$1,100.00, and a return postcard, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Box PCT, Washington, D.C. 20231.

Respectfully submitted,



Randall B. Bateman
Attorney for Applicant
Registration No. 37,774
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